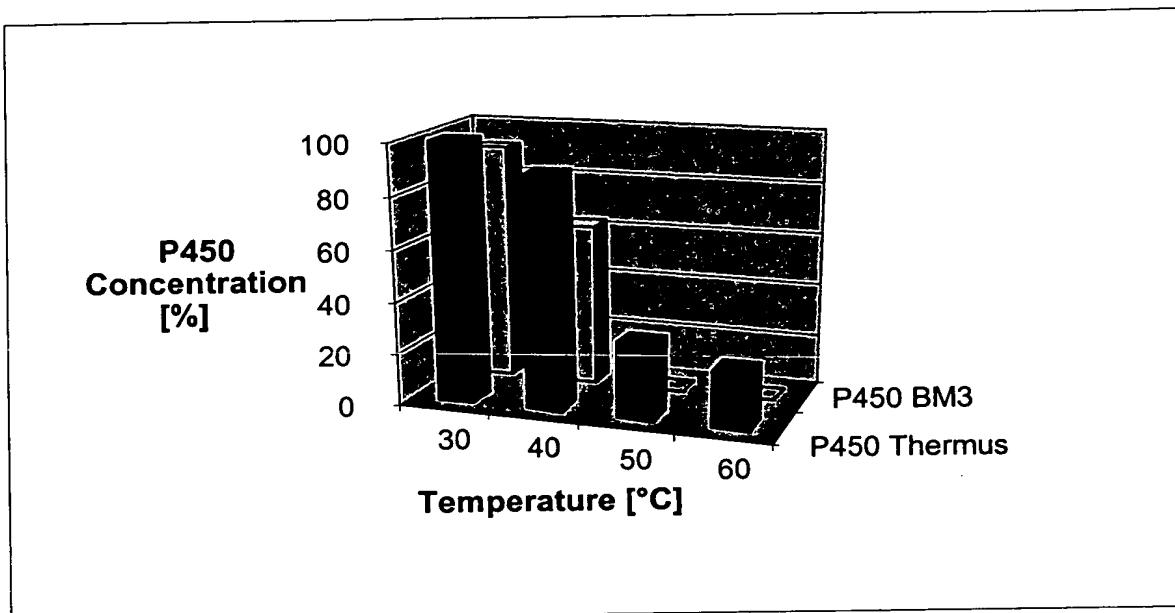


Fig. 1

Fig.2



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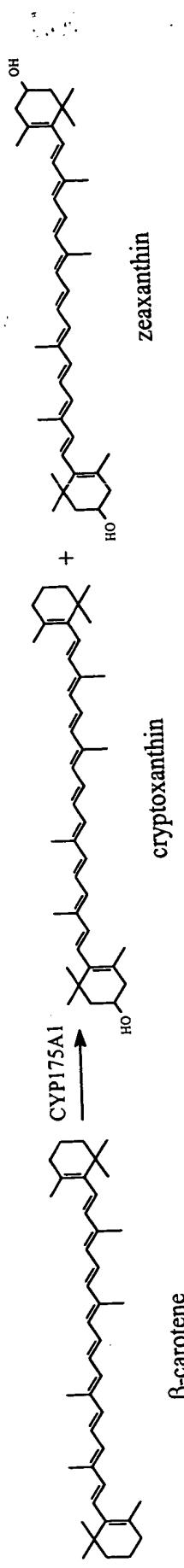


Fig. 3

FIG. 4A: BETA - CAROTENE (Standard):

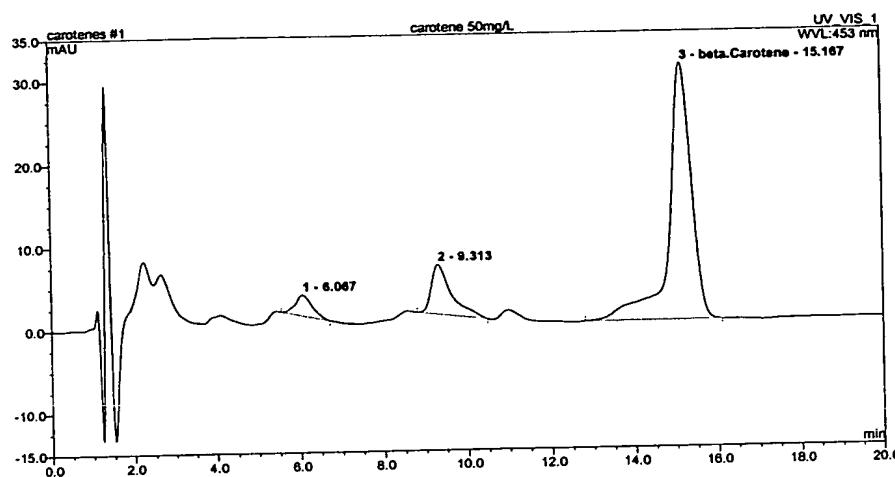


FIG. 4B: ZEAXANTHIN (Standard):

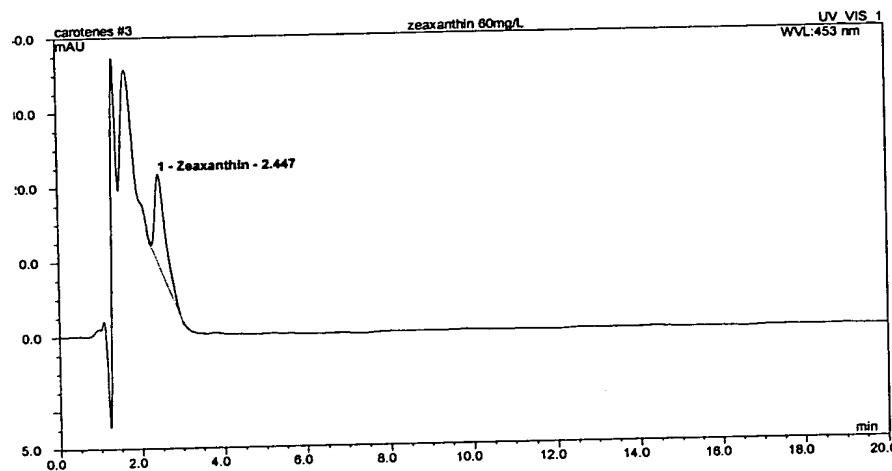


FIG 4C: Cryptoxanthin (Standard):

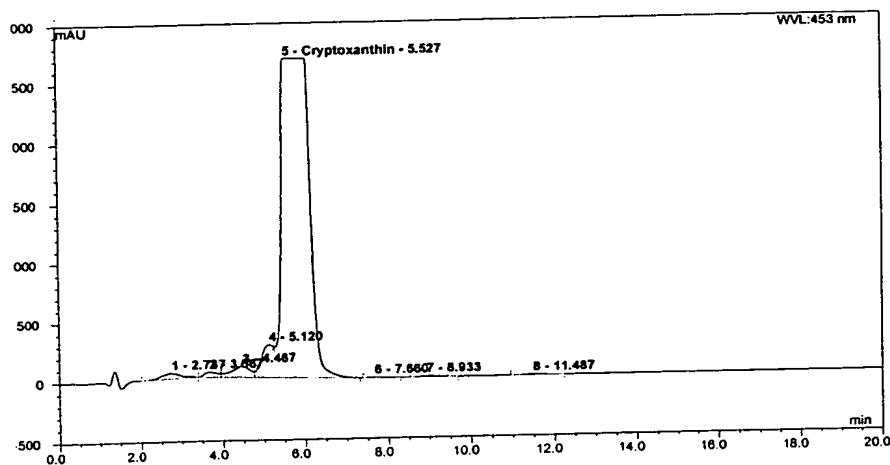
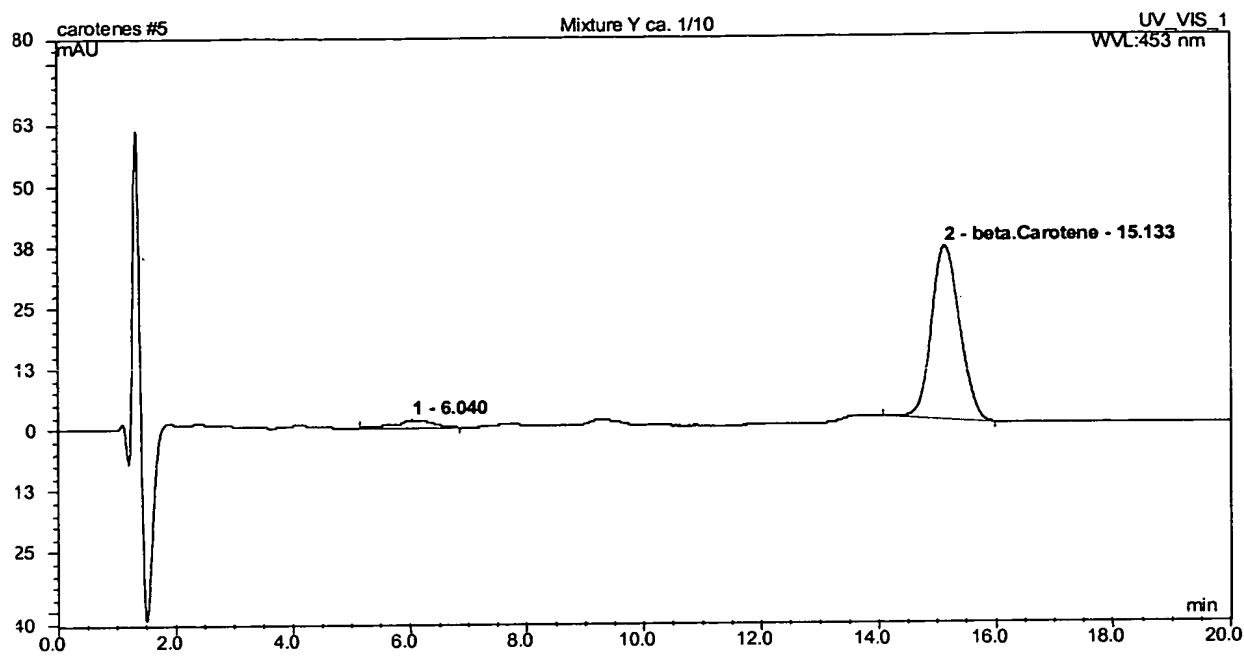


FIG. 5A:

Sample Y (*E. coli* comprising **CRTE, **CRTB**, **CRTI** AND **CRTY** from *E. UREDOVORA*):**

**FIG. 5B:**

Sample YF (*E. coli* comprising **CRTE, **CRTB**, **CRTI** AND **CRTY** from *E. UREDOVORA + PKK_CYP*):**

